

1 11. (AMENDED) A machine readable medium having embodied thereon a
2 computer program for processing by a machine, [the computer program determining optimal
3 values of design parameters of a subsystem to meet design constraints, the subsystem
4 comprising a plurality of circuits,] the computer program comprising:

5 (a) a first code segment for creating parameter functions for a plurality of
6 circuits in a subsystem, the subsystem having design constraints, each one of the
7 parameter functions corresponding to each one of the circuits [the corresponding
8 circuits], the parameter functions representing a relationship among the design
9 parameters; and

10 (b) a second code segment for optimizing [the] design parameters based on
11 the parameter functions to satisfy the design constraints.

1 21. (AMENDED) A system comprising:

2 a computer system [for determining optimal values of design parameters of a
3 subsystem to meet design constraints, the subsystem comprising a plurality of
4 circuits]; and

5 a design environment incorporated in the computer for providing tools to
6 facilitate determining [the] optimal values of [the] design parameters of a subsystem to
7 satisfy design constraints, the subsystem having a plurality of circuits.

1 22. (AMENDED) The system of claim 21 wherein the computer system
2 comprises:

3 a memory for storing program instructions;

4 a processor coupled to the memory for executing the program instructions, the
5 program instructions when executed by the processor interacting with the tools
6 provided by the design environment to at least

7 (a) create parameter functions for the plurality of circuits in the
8 subsystem, the subsystem having design constraints, each one of the parameter
9 functions corresponding to each one of the circuits [the corresponding circuits],
10 the parameter functions representing a relationship among the design
11 parameters, and

12 (b) optimize the design parameters based on the parameter
13 functions to satisfy the design constraints.
